

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of the claims in the application.

Listing of Claims:

1. (Canceled) A module for interfacing with a computer, wherein said module comprises means for electronic communication between the module and the computer, and means for cooperably coupling a sensor to the module, said sensor for taking a measurement value of a glucose concentration in a body fluid of a person, said sensor being operably coupleable to the person to determine the person's glucose concentration and operably coupleable to the module whereby the glucose concentration is communicable to the computer.
2. (Canceled) The module as set forth in claim 1, wherein said sensor includes a transmitter and said module includes a wireless receiver for receiving a wirelessly transmitted measurement value from the sensor.
3. (Canceled) The module as set forth in claim 1, wherein said sensor is physically coupled with the module after a sample has been taken.
4. (Canceled) The module as set forth in claim 1, wherein said module includes an evaluation means to convert the obtained measurement value into a signal that can be processed by the computer.
5. (Canceled) The module as set forth in claim 1, wherein said module includes a memory to store said measurement value.
6. (Canceled) The module as set forth in claim 1, wherein said module includes an evaluation means with a processor to determine a quantity, characterizing an aspect of the health of the person based on said measurement value.

7.(Canceled) The module as set forth in claim 1, further comprising a sensor to determine a hormone level.

8. (Canceled) The module as set forth in claim 1, wherein said module further comprises an integrated sample taking set with sensor elements and means to take samples.

9. (Canceled) The module as set forth in claim 1, wherein said module is a component of a device for the self-administration of a fluid product.

10. (Canceled) The module as set forth in claim 1, wherein said module includes an interface used for wireless communication with an administration device for self-administration of a fluid product.

11. (Canceled) The module as set forth in claim 1, wherein said module is adapted to be received by a computer.

12. (Canceled) The module as set forth in claim 1, further comprising a sensor to determine a temperature.

13. (Canceled) A health monitoring system comprising:

an administration device operably coupled with a person to deliver a medicament, take measurement values, and transmit the measurement values;

a remote display terminal configured to receive the transmitted measurement values and to operably and remotely control the administration device;

an external measurement module physically coupleable with the remote display terminal, wherein said module comprises a sensor to take a measurement value of a health parameter useful for monitoring the health of a person and provide the measurement values to the remote display terminal so as to determine the person's health.

14. (Canceled) The health monitoring system as set forth in claim 1, wherein the health parameter is a glucose concentration in a body fluid of the person.

15. (Canceled) The health monitoring system as set forth in claim 1, wherein said external measurement module is coupled with the remote display terminal after a sample has been taken.

16. (Canceled) The health monitoring system as set forth in claim 1, wherein said external measurement module includes an evaluation means to convert the obtained measurement value into a signal that can be processed by the computer.

17. (Canceled) The health monitoring system as set forth in claim 1, wherein said external measurement module includes a memory to store said measurement value.

18. (Canceled) The health monitoring system as set forth in claim 1, wherein said external measurement module includes an evaluation means with a processor to determine a quantity, characterizing an aspect of the health of the person based on said measurement value.

19. (Canceled) The health monitoring system as set forth in claim 1, wherein said health parameter is one parameter selected from the following: glucose concentration, hormone level, and body temperature.

20. (Canceled) The health monitoring system as set forth in claim 1, wherein said external measurement module further comprises an integrated sample taking set with sensor elements and means to take samples.

21. (Canceled) The health monitoring system as set forth in claim 1, wherein said remote display terminal is a personal computer.

22. (Canceled) A method of monitoring a glucose concentration, comprising:
 obtaining a fluid sample from a person;
 causing a sensor to contact the body fluid, wherein the sensor includes
 components to measure a glucose concentration within the fluid sample;
 communicating the measured glucose concentration to a computer module
 interfaced with a computing device;
 displaying data relating to the glucose level on the computing device.

23. (Canceled) The method of claim 22 wherein communicating the measured glucose level includes wirelessly transmitting data from a transmitter coupled with the sensor to a receiver coupled with the computer module.

24. (Canceled) The method of claim 22 wherein communicating the measured glucose level includes physically coupling the sensor with the computer module.

25. (Canceled) The method of claim 22 wherein the sensor is a component of the computer module.

26. (Canceled) The method of claim 22, wherein the displayed data includes the current glucose level and historical data relating to glucose levels for the person.

27. (Canceled) The method of claim 22, further comprising utilizing evaluation and monitoring features provided within a program of the computer, wherein the program utilizes the receive glucose concentration data and stored historical data to evaluate and monitor the person.

28. (Canceled) A system for monitoring glucose concentrations, comprising:
a personal computing device having an interface port;
a measurement module operably coupleable with the interface port so as to allow electronic communication between the measurement module and the computing device;
a sensor in communication with the measurement module, wherein the sensor measures a glucose concentration in a body fluid placed in contact with the sensor;
evaluation and monitoring software running on the personal computing device that receives glucose concentration information from the sensor via the measurement module, retains historical glucose concentration information in a memory, and provides an evaluation of a person's medical history and current medical status as it relates to glucose concentration.

29. (Canceled) The system of claim 28, wherein the sensor includes a transmitter to facilitate wireless communication between the sensor and a receiver coupled with the measurement module.

30. (Canceled) The system of claim 28, wherein the sensor physically interconnects with the measurement module.

31. (Canceled) The system of claim 28, further comprising a temperature sensor to measure temperature and is in communication with the measurement module.

32. (Canceled) The system of claim 28, further comprising a hormone sensor to measure hormone levels and is in communication with the measurement module.

33. (Canceled) The system of claim 28, wherein the sensor includes components to sense temperature and hormone levels so that the person's medical history and current medical status is based on an evaluation of past and present glucose concentration levels, hormone levels, and temperature.

34. (Canceled) A system of remotely controlling and remotely displaying an operation of administering a fluid into a body, comprising:

an administration device operably coupled with the body for delivering the fluid to the body and taking a measurement value related to administration of the fluid, the administration device having a transmission component for transmitting the measurement value, and a receiving component for receiving a control signal; and

a remote terminal having a receiving component to receive the transmitted measurement value from the transmitting component of the administration device, and a transmission component to transmit the control signal to the receiving component of the administration device, the remote terminal displaying operating parameters of the administration device and remotely controlling the operating parameters of the administration device via the control signal.

35. (Canceled) The system of claim 34, wherein the administration device includes a housing for containing a fluid ampoule driven by a piston and a driven member which is controlled by a stepper motor, a position sensor for measuring an angular position of the stepper motor, from which the remote terminal determines a fluid supply rate, and a fluid dose amount.

36. (Canceled) The system of claim 34, wherein the remote terminal is a hand-held device.

37. (Canceled) The system of claim 34, wherein the remote terminal further comprises a processor for processing the transmitted measurement value and providing the control signal to the administration device.

38. (Canceled) The system of claim 35, wherein the remote terminal further comprises a process for processing the measured angular position of the stepper motor and providing the control signal to the the administration device.

39. (Canceled) The system of claim 34, wherein the remote terminal comprises an acoustic alarm indicator for acoustically alerting a malfunction of the system.

40. (currently amended) A system of remotely controlling and remotely displaying an operation of administering a fluid into a body, comprising:

an administration device operably coupled with the body for delivering the fluid to the body and taking a measurement value related to administration of the fluid, the administration device including

a transmission component for transmitting the measurement value,

a receiving component for receiving a control signal,

a housing for containing a fluid ampoule driven by a piston and a driven member that is controlled by a stepper motor,

a position sensor for measuring an angular position of the stepper motor, and

~~The system of claim 35, wherein the administration device further comprises an emergency control device that which~~ is connected to the position sensor, and

upon activation, moves the stepper motor to a desired position; and

a remote terminal including

a receiving component to receive the transmitted measurement value from the transmitting component of the administration device, and

a transmission component to transmit the control signal to the receiving component of the administration device,

wherein the remote terminal displays operating parameters of the administration device and remotely controls the operating parameters of the administration device via the control signal,

wherein the remote terminal determines a fluid supply rate and a fluid dose amount from the measured angular position of the stepper motor.

41. (currently amended) A system of remotely controlling and remotely displaying an operation of administering a fluid into a body, comprising:

an administration device operably coupled with the body for delivering the fluid to the body and taking a measurement value related to administration of the fluid, the administration device including

a transmission component for transmitting the measurement value,

a receiving component for receiving a control signal,

a housing for containing a fluid ampoule driven by a piston and a driven member that is controlled by a stepper motor, and

a position sensor for measuring an angular position of the stepper motor; and

a remote terminal including

a receiving component to receive the transmitted measurement value from the transmitting component of the administration device,

a transmission component to transmit the control signal to the receiving component of the administration device, and

a processor for processing the measured angular position of the stepper motor and providing the control signal to the the administration device,

wherin the remote terminal displays operating parameters of the administration device and remotely controls the operating parameters of the administration device via the control signal,

wherein the remote terminal determines a fluid supply rate and a fluid dose amount from the measured angular position of the stepper motor,

~~The system of claim 38,~~ wherein the processor determines a fluid supply rate, a filling state of the ampoule, ~~[[and]]~~ a remaining residual amount, and a presumed residual feed time.

42. (Canceled) The system of claim 34, wherein the remote terminal is a computer.

43. (Canceled) The system of claim 34, wherein the fluid is insulin, and the measurement value includes a glucose concentration of the body.

44. (Canceled) The system of claim 43, wherein the glucose concentration of the body is transmitted to the remote terminal, and administration of the fluid is remotely controlled by the remote terminal via the control signal.

45. (Canceled) The system of claim 34, wherein transmission between the transmitting components and the receiving components is a wireless transmission.

46. (Canceled) The system of claim 34, wherein the remote terminal includes an evaluation device for determining characteristics of the body based on the measurement value.

47. (Canceled) The system of claim 35, wherein the position sensor measures the angular position of the stepper motor, from which the remote terminal determines a hormone level of the body.

48. (Canceled) The system of claim 34, wherein the position sensor measures the angular position of the stepper motor, from which the remote terminal determines a temperature of the body.

49. (Canceled) A method of remotely controlling and remotely displaying an operation of administering a fluid into a body, comprising:

providing an administration device operably coupled with the body;
delivering the fluid to the body by the administration device;
taking a measurement value related to administration of the fluid by the administration device;
transmitting the measurement value to a remote terminal by the administration device;
displaying operating parameters of the administration device on the remote terminal;
remotely controlling the operating parameters of the administration device via a control signal by the remote terminal; and
transmitting the control signal from the remote terminal to the administration device.

50. (new) The system of claim 40, wherein the remote terminal is a hand-held device.

51. (new) The system of claim 40, wherein the remote terminal further includes a processor for processing the transmitted measurement value and providing the control signal to the administration device.

52. (new) The system of claim 51, wherein the remote terminal further includes a sensor adapted to receive and measure a bodily fluid sample and communicate a measurement to the processor.

53. (new) The system of claim 52, wherein the remote terminal further includes a module that contains the sensor and is adapted to be disconnected from the remote terminal to receive the bodily fluid and to be reconnected to the remote terminal to communicate the measurement to the processor.

54. (new) The system of claim 40, wherein the remote terminal comprises an acoustic alarm indicator for acoustically alerting a malfunction of the system.

55. (new) The system of claim 40, wherein the remote terminal is a computer.

56. (new) The system of claim 40, wherein the fluid is insulin, and the measurement value includes a glucose concentration of the body.

57. (new) The system of claim 56, wherein the glucose concentration of the body is transmitted to the remote terminal, and administration of the fluid is remotely controlled by the remote terminal via the control signal.

58. (new) The system of claim 40, wherein transmission between the transmitting components and the receiving components is a wireless transmission.

59. (new) The system of claim 40, wherein the remote terminal includes an evaluation device for determining characteristics of the body based on the measurement value.

60. (new) The system of claim 41, wherein the remote terminal is a hand-held device.

61. (new) The system of claim 41, wherein the remote terminal comprises an acoustic alarm indicator for acoustically alerting a malfunction of the system.

62. (new) The system of claim 41, wherein the remote terminal is a computer.

63. (new) The system of claim 41, wherein the fluid is insulin, and the measurement value includes a glucose concentration of the body.

64. (new) The system of claim 63, wherein the glucose concentration of the body is transmitted to the remote terminal, and administration of the fluid is remotely controlled by the remote terminal via the control signal.

65. (new) The system of claim 41, wherein transmission between the transmitting components and the receiving components is a wireless transmission.

66. (new) The system of claim 41, wherein the remote terminal includes an evaluation device for determining characteristics of the body based on the measurement value.

67. (new) The system of claim 41, wherein the remote terminal further includes a sensor adapted to receive and measure a bodily fluid sample and communicate a measurement to the processor.

68. (new) The system of claim 67, wherein the remote terminal further includes a module that contains the sensor and is adapted to be disconnected from the remote terminal to receive the bodily fluid and to be reconnected to the remote terminal to communicate the measurement to the processor.